

**SECTION I OF NNG06HX18C
CONTRACT CLAUSES**

20771, Business Phone: 301 286-5066, Fax 301 286-1714, E-mail address: Dorothy C. Perkins@nasa.gov

- (1852.216-89) ASSIGNMENT AND RELEASE FORMS (JUL 1997)
- (1852.223-74) DRUG-AND ALCOHOL-FREE WORKPLACE (MAR 1996)
- (1852.242-71) TRAVEL OUTSIDE OF THE UNITED STATES (DEC 1988)
- (1852.242-78) EMERGENCY MEDICAL SERVICES AND EVACUATION (APR 2001)
- (1852.243-71) SHARED SAVINGS (MAR 1997)

(End of By Reference Section)

I.2 LIMITATIONS ON SUBCONTRACTING (52.219-14) (DEC 1996)

(a) This clause does not apply to the unrestricted portion of a partial set-aside.

(b) By submission of an offer and execution of a contract, the Offeror/Contractor agrees that in performance of the contract in the case of a contract for--

(1) Services (except construction). At least 50 percent of the cost of contract performance incurred for personnel shall be expended for employees for the concern.

(2) Supplies (other than procurement from a non-manufacturer of such supplies). The concern shall perform work for at least 50 percent of the cost of manufacturing the supplies, not including the cost of materials.

(3) General construction. The concern will perform at least 15 percent of the cost of the contract, not including the cost of materials, with its own employees.

(4) Construction by special trade contractors. The concern will perform at least 25 percent of the cost of the contract, not including the cost of materials, with its own employees.

(End of clause)

I.3 NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES (1852.222-39) (DEC 2004)

(a) *Definition* . As used in this clause--

"United States" means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

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(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

Notice to Employees

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.

For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board
Division of Information
1099 14th Street, N.W.
Washington, DC 20570
1-866-667-6572
1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at <http://www.nlr.gov>.

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(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR part 470, Subpart B-Compliance Evaluations, Complaint Investigations and Enforcement Procedures. Such other sanctions or remedies may be imposed as are provided by 29 CFR part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to-

(1) Contractors and subcontractors that employ fewer than 15 persons;

(2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;

(3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;

(4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that-

(i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and

(ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or

(5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall-

(1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;

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- (2) Download a copy of the poster from the Office of Labor-Management Standards website at <http://www.olms.dol.gov> ; or
- (3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR part 470, Subpart B-Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

(End of clause)

I. 4 LIMITATION ON WITHHOLDING OF PAYMENTS (52.232-9) (APR 1984)

If more than one clause or Schedule term of this contract authorizes the temporary withholding of amounts otherwise payable to the Contractor for supplies delivered or services performed, the total of the amounts withheld at any one time shall not exceed the greatest amount that may be withheld under any one clause or Schedule term at that time; provided, that this limitation shall not apply to--

- (a) Withholdings pursuant to any clause relating to wages or hours of employees;
- (b) Withholdings not specifically provided for by this contract;
- (c) The recovery of overpayments; and
- (d) Any other withholding for which the Contracting Officer determines that this limitation is inappropriate.

(End of clause)

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I.5 SUBCONTRACTS FOR COMMERCIAL ITEMS (52.244-6) (FEB 2006)

(a) *Definitions.* As used in this clause-

"Commercial item" has the meaning contained in Federal Acquisition Regulation 2.101, Definitions.

"Subcontract" includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c) (1) The Contractor shall insert the following clauses in subcontracts for commercial items:

(i) 52.219-8, Utilization of Small Business Concerns (May 2004) (15 U.S.C. 637(d) (2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$500,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(ii) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212(a));

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998) (29 U.S.C. 793).

(v) 52.222-39, Notification of Employee Rights Concerning Payment of Union Dues or Fees (Dec 2004) (E.O. 13201). Flow down as required in accordance with paragraph (g) of FAR clause 52.222-39).

(vi) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (FEB 2006) (46 U.S.C. App. 1241 and 10 U.S.C. 2631) (flow down required in accordance with paragraph (d) of FAR clause 52.247-64).

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(2) While not required, the Contractor may flow down to subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

(End of clause)

I.6 CLAUSES INCORPORATED BY REFERENCE (52.252-2) (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

Federal Acquisition Regulation (FAR) clauses:

<http://www.arnet.gov/far/>

NASA FAR Supplement (NFS) clauses:

<http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

(End of clause)

I.7 COMPUTER GENERATED FORMS (52.253-1) (JAN 1991)

(a) Any data required to be submitted on a Standard or Optional Form prescribed by the Federal Acquisition Regulation (FAR) may be submitted on a computer generated version of the form, provided there is no change to the name, content, or sequence of the data elements on the form, and provided the form carries the Standard or Optional Form number and edition date.

(b) Unless prohibited by agency regulations, any data required to be submitted on an agency unique form prescribed by an agency supplement to the FAR may be submitted on a computer generated version of the form provided there is no change to the name, content, or sequence of the data elements on the form and provided the form carries the agency form number and edition date.

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(c) If the Contractor submits a computer generated version of a form that is different than the required form, then the rights and obligations of the parties will be determined based on the content of the required form.

(End of clause)

I.8 USE OF RURAL AREA SMALL BUSINESSES (1852.219-74) (SEP 1990)

(a) **Definitions.**

"**Rural area**" means any county with a population of fewer than twenty thousand individuals.

"**Small business concern**," as used in this clause, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding under this contract, and qualified as a small business under the criteria and size standards in 13 CFR 121.

(b) NASA prime and subcontractors are encouraged to use their best efforts to award subcontracts to small business concerns located in rural areas.

(c) Contractors acting in good faith may rely on written representations by their subcontractors regarding their status as small business concerns located in rural areas.

(d) The Contractor agrees to insert the provisions of this clause, including this paragraph (d), in all subcontracts hereunder that offer subcontracting possibilities.

(End of clause)

I.9 NASA 8 PERCENT GOAL (1852.219-76) (JUL 1997)

(a) **Definitions.**

"Historically Black Colleges or University", as used in this clause means an institution determined by the Secretary of Education to meet the requirements of 34 CFR Section 608.2. The term also includes any nonprofit research institution that was an integral part of such a college or university before November 14, 1986.

"Minority institutions", as used in this clause, means an institution of higher education meeting the requirements of section 1046(3) of the Higher Education Act of 1965 (20 U.S.C. 1135d-5(3)) which for the

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purposes of this clause includes a Hispanic-serving institution of higher education as defined in section 316(b)(1) of the Act (20 U.S.C. 1059c(b)(1)).

"Small disadvantaged business concern", as used in this clause, means a small business concern that (1) is at least 51 percent unconditionally owned by one or more individuals who are both socially and economically disadvantaged, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more socially and economically disadvantaged individuals, and (2) has its management and daily business controlled by one or more such individuals. This term also means a small business concern that is at least 51 percent unconditionally owned by an economically disadvantaged Indian tribe or Native Hawaiian Organization, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more of these entities, which has its management and daily business controlled by members of an economically disadvantaged Indian tribe or Native Hawaiian Organization, and which meets the requirements of 13 CFR 124.

"Women-owned small business concern", as used in this clause, means a small business concern (1) which is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women, and (2) whose management and daily business operations are controlled by one or more women.

(b) The NASA Administrator is required by statute to establish annually a goal to make available to small disadvantaged business concerns, Historically Black Colleges and Universities, minority institutions, and women-owned small business concerns, at least 8 percent of NASA's procurement dollars under prime contracts or subcontracts awarded in support of authorized programs, including the space station by the time operational status is obtained.

(c) The contractor hereby agrees to assist NASA in achieving this goal by using its best efforts to award subcontracts to such entities to the fullest extent consistent with efficient contract performance.

(d) Contractors acting in good faith may rely on written representations by their subcontractors regarding their status as small disadvantaged business concerns, Historically Black Colleges and Universities, minority institutions, and women-owned small business concerns.

(End of clause)

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I.10 MINIMUM INSURANCE COVERAGE (1852.228-75) (OCT 1988)

The Contractor shall obtain and maintain insurance coverage as follows for the performance of this contract:

(a) Worker's compensation and employer's liability insurance as required by applicable Federal and state workers' compensation and occupational disease statutes. If occupational diseases are not compensable under those statutes, they shall be covered under the employer's liability section of the insurance policy, except when contract operations are so commingled with the Contractor's commercial operations that it would not be practical. The employer's liability coverage shall be at least \$100,000, except in States with exclusive or monopolistic funds that do not permit workers' compensation to be written by private carriers.

(b) Comprehensive general (bodily injury) liability insurance of at least \$500,000 per occurrence.

(c) Motor vehicle liability insurance written on the comprehensive form of policy which provides for bodily injury and property damage liability covering the operation of all motor vehicles used in connection with performing the contract. Policies covering motor vehicles operated in the United States shall provide coverage of at least \$200,000 per person and \$500,000 per occurrence for bodily injury liability and \$20,000 per occurrence for property damage. The amount of liability coverage on other policies shall be commensurate with any legal requirements of the locality and sufficient to meet normal and customary claims.

(d) Comprehensive general and motor vehicle liability policies shall contain a provision worded as follows:

"The insurance company waives any right of subrogation against the United States of America which may arise by reason of any payment under the policy."

(e) When aircraft are used in connection with performing the contract, aircraft public and passenger liability insurance of at least \$200,000 per person and \$500,000 per occurrence for bodily injury, other than passenger liability, and \$200,000 per occurrence for property damage. Coverage for passenger liability bodily injury shall be at least \$200,000 multiplied by the number of seats or passengers, whichever is greater.

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(End of clause)

I.11 CENTER FOR AEROSPACE INFORMATION (1852.235-70) (FEB 2003)

(a) The Contractor should register with and avail itself of the services provided by the NASA Center for Aerospace Information (CASI) (<http://www.sti.nasa.gov>) for the conduct of research or research and development required under this contract. CASI provides a variety of services and products as a NASA repository and database of research information, which may enhance contract performance.

(b) Should the CASI information or service requested by the Contractor be unavailable or not in the exact form necessary by the Contractor, neither CASI nor NASA is obligated to search for or change the format of the information. A failure to furnish information shall not entitle the Contractor to an equitable adjustment under the terms and conditions of this contract.

(c) Information regarding CASI and the services available can be obtained at the Internet address contained in paragraph (a) of this clause or at the following address:

Center for Aerospace Information (CASI)
7121 Standard Drive
Hanover, Maryland 21076-1320
Email: help@sti.nasa.gov
Phone: 301-621-0390
FAX: 301-621-0134

(End of clause)

I.12 EMERGENCY EVACUATION PROCEDURES (1852.237-70) (DEC 1988)

The Contractor shall assure that its personnel at Government facilities are familiar with the functions of the Government's emergency evacuation procedures. If requested by the Contracting Officer, the Contractor shall designate an individual or individuals as contact points to provide for efficient and rapid evacuation of the facility if and when required.

(End of clause)

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LIST OF ATTACHMENTS

J.1 LIST OF ATTACHMENTS (GSFC 52.211-101) (OCT 1988)

The following attachments constitute part of this contract:

Attachment	Description	Date	No. of Pages
A	Statement of Work	August 2005	8
B	Financial Management Reporting Requirements	March 2005	4
C	Safety and Health Plan	Due 10 days after effective date of contract	TBP
D	Contractor's Surveillance Plan	October 2005	6
E	List of Installation-Accountable Government Property	March 2005	21
F	Direct and Indirect Rate Matrices	January 2006	4
G	IT Security Plan	30 Days after contract award	TBP

(End of clause)

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**LABORATORY FOR ATMOSPHERES SCIENTIFIC AND
TECHNICAL SUPPORT SERVICES**

STATEMENT OF WORK

ATTACHMENT A

Statement of Work
For
**LABORATORY FOR ATMOSPHERES
SCIENTIFIC AND TECHNICAL SUPPORT SERVICES**

A. The contract shall be a cost plus award fee contract. The Contractor shall support research and development efforts of the Laboratory for Atmospheres (Code 613) - which consists of Codes 613.1 (Mesoscale Atmospheric Processes Branch), 613.2 (Climate and Radiation Branch), and 613.3 (Atmospheric Chemistry and Dynamics Branch), and the Earth Sciences Data and Information System (ESDIS) Project Scientist. The services required are in the following areas:

1. Support the development, laboratory testing, evaluations, and operation of two classes of instruments. The first class is designed for use during campaigns to measure the following: solar radiation and the propagation of radiation within Earth's atmosphere and oceans; Earth's atmospheric chemical species and atmospheric parameters; the cloud and aerosol components of Earth's atmosphere; and Earth's surface and ocean parameters. These instruments shall operate from spacecraft, aircraft, balloons, and ground-based platforms. The second class of instruments shall be used in laboratory experiments to corroborate campaign data, or to provide data supplementary to the campaign measurements.
2. Support the analysis of Earth system and solar data obtained from instruments on spacecraft, aircraft, balloons, and ground-based platforms.
3. Support the development, testing, operation, improvement, and documentation of computer models that describe any or all of the following Earth system and solar features: solar spectral and total radiation, and the propagation of radiation throughout the Earth system; the energetics and dynamics of Earth's climate; the energetics and dynamics of atmospheric aerosols and clouds; the energetics and dynamics of the tropical water and energy cycles, and large-scale phenomena such as El Niño; and the chemistry, energetics, and dynamics of Earth's atmosphere from Earth's surface through the mesosphere.
4. Provide computer operations and maintenance support, technical support, and IT security for mission operations, field campaigns, and ongoing studies associated with the research and development efforts of the Laboratory, and with the ongoing activities of the ESDIS Project Scientist. Develop websites (compliant with section 508 of the Federal Rehabilitation Act of 1973) and visualization aids for communicating (to researchers and the public) scientific data, education and outreach information, and general information about the work of the Laboratory.
5. Document and catalog all computer codes used in support of this contract. Support the documentation of research results and the subsequent activities associated with the presentation of results at scientific meetings and with publishing in refereed journal articles.
6. Assist with the development of budgets and travel requirements, for tracking of research proposals and purchase requests, for accommodating visitors, and for maintaining property and chemical inventories.

B. Below are listed detailed descriptions of the six general support areas identified above.

1.0 Instrument Development and Operation

- 1.1 Calibrate, test, operate, maintain, modify and repair two general classes of instruments: those to be used in current or future spacecraft, aircraft, balloon, or ground-based missions; and those to be used as laboratory instruments for corroborating results of the mission instruments or for providing additional information about how the mission instruments should operate.
- 1.2 Assist in testing and evaluating instrument performance. For airborne campaigns, prepare instruments for shipping to field measurement sites or to operational centers and assist in instrument set up and operations at field sites and on aircraft.
- 1.3 Operate, maintain, modify, and repair stationary laboratory lidars, ground-based mobile lidars, and potential airborne lidars. Maintain the diesel powered generator used to power the lidars in overseas operation.
- 1.4 For flight campaigns, in addition to the requirements in paragraphs 1.1 through 1.3, provide workstation set-up and maintenance, flight planning, and meteorological forecasting.
- 1.5 Support the design and construction of new instruments for use in atmospheric and solar radiation measurements. Develop calibration techniques suitable for advanced hyperspectral imaging systems proposed for ground-based and space-based remote sensing of atmospheric radiation.
- 1.6 Support Doppler and backscatter lidar instrument development in order to make possible observations of clouds and aerosols, studies of the boundary layer, and the determination of wind velocities.
- 1.7 Provide technical support for the Radiometric Calibration and Development Facility (RCDF) in Code 613.3. Maintain the RCDF as a 10,000 Class clean room that meets ISO 9000 standards; maintain and operate calibration standards traceable to the National Institute of Standards and Technology including, but not limited to, irradiance lamps and integrating spheres; provide calibration services for remote sensing instruments designed for spacecraft missions, aircraft missions, and other missions; maintain and upgrade optical and electro-mechanical hardware, ground support equipment, and software used during testing of advanced remote sensing systems and during campaigns to validate satellite data.
- 1.8 Conduct regular ground-based observations of zenith sky radiances using RCDF standard and developmental spectro-radiometers.

2.0 Analysis of Instrumental Measurements and Derived Data Sets

- 2.1 Provide programming, analysis, and archiving of measurements taken from instruments onboard orbital spacecraft, onboard aircraft, and onboard balloons and ground-based platforms.
- 2.2 Support the analysis of data obtained during the following types of studies: studies of the tropical water and energy cycles driven by direct and reflected solar radiation; studies of tropical rain systems and the structure of convective systems; climatological studies of transport of minor species; studies of large scale tropical phenomena such as the tropical biennial oscillation, Madden-Julian oscillation, and El Niño; studies of special atmospheric features such as clouds, aerosols, hurricanes, and the atmospheric boundary layer with land and sea; and studies of the dynamics, transport, radiation, and chemistry of Earth's atmosphere from Earth's surface through the mesosphere.
- 2.3 Acquire, analyze, and archive meteorological data sets in support of meteorological investigations.
- 2.4 On a monthly basis, acquire, analyze, and archive merged data on global precipitation measured from low-orbit microwave sensors, geosynchronous infrared detectors, and surface rain gauges.
- 2.5 Evaluate data products from spacecraft by comparing such products with co-located data collected from instruments onboard spacecraft, aircraft, balloons, and ground-based platforms. Also compare the products to results from model calculations.
- 2.6 Process data taken by such Laboratory instruments as the RCDF standard and developmental spectro-radiometers, the Boundary Layer Lidar, the Micro Pulse Lidar, and the Compact Multispectral Infrared and Visible Spectral Imaging Radiometer.
- 2.7 Use a statistical trend model to evaluate important terms in long-term ozone measurement records and to evaluate satellite/ground measurement intercomparisons. Use mapping techniques to improve intercomparisons among measurements made by different instruments

3.0 Computer Modeling and Analysis

- 3.1. Support the development of algorithms that use atmospheric radiation detected from spacecraft, aircraft, and ground based platforms, to calculate aerosol and cloud properties.
- 3.2. Develop and apply remote sensing algorithms for measurements taken by passive microwave, radar, geosynchronous infrared, and lightning sensors so that the measurements can be used to determine precipitation, water vapor, and latent heating profiles.
- 3.3. Develop new computer tools - photochemical models, coupled convection-chemical models, remote sensing models - for use in atmospheric studies using data from spacecraft missions; data from field campaigns; and data from aircraft missions.
- 3.4. Support the development of cirrus system models and apply them to the validation of cloud process parameterization in cloud resolving models. Support model studies of cirrus cloud systems using observations from spacecraft, aircraft, balloons, and ground based platforms.

- 3.5. Improve the Goddard Cumulus Ensemble Model, and other models, so that they more accurately describe physical processes such as coupling of land and sea surfaces to the atmosphere, and cloud microphysical processes.
- 3.6. Support the development of efficient Fortran algorithms for describing anthropogenic and natural changes in Earth's atmosphere from the troposphere through the mesosphere using an existing two-dimensional (2D) chemistry and transport model in a UNIX-based environment.
- 3.7. Support the development of efficient Fortran algorithms for describing constituent transport, photochemistry, radiation, and dynamics of the stratosphere-troposphere system using an existing three-dimensional (3D) computer model in a UNIX-based environment. Use the 3D model simulations to analyze atmospheric observations from various platforms and to produce nearly real time simulations in support of field campaigns.
- 3.8. Develop and document improvements to the 2D and 3D computer models including, but not limited to, increasing the model resolution, updating reaction rate changes as necessary, and enhancing the model capabilities. Test the computer models against measurements from various platforms, to assess the models' capabilities in simulating the behavior of atmospheric trace constituents.
- 3.9. Maintain and improve an existing numerical spectral computer model that describes the dynamics of atmospheric waves in Earth's atmosphere from the troposphere through the mesosphere. Conduct numerical experiments with the computer model and compare the results to atmospheric measurements in order to develop theories to explain observed atmospheric wave features.

4.0 System Administration, Computer Operations, and Mission Support

- 4.1 Provide all necessary system administration, maintenance, and IT security services for the networks, workstations, servers, desktop and laptop computers, and data storage systems belonging to the Laboratory and to the ESDIS Project Scientist. These services include, but are not limited to, routine maintenance, installation of software upgrades and security patches, fixing computer vulnerabilities and compromises, assisting in the development of an IT security plan, and documenting all procedures followed in providing support services.
- 4.2 Develop, maintain, and document software necessary to manage Laboratory data sets, such as the following: data sets generated by the various observations campaigns and laboratory experiments participated in by the Branches; results from the research models used in the Branches; archived data sets used in support of the research efforts of the Branches. Provide communications software to move data sets between computers. Develop section 508 compliant websites for the easy dissemination of data sets between Branch researchers and their collaborators, or for use by the science community.
- 4.3 Develop, maintain, and document software necessary for the ESDIS Project Scientist to monitor the capabilities of the Earth Observing System Data and Information System (EOSDIS) to process and distribute data.
- 4.4 Develop, maintain and document new or enhanced software tools for the following purposes: to acquire and display stratospheric and upper tropospheric data sets derived

- from measurements taken from spacecraft, aircraft, balloons, and ground based platforms; and to analyze computer model generated output and atmospheric observations when investigating physical and chemical atmospheric processes.
- 4.5 Archive, document, and maintain a user readable form of all data sets deposited within the Branches whether from instrument measurements, model calculations, or from collaborators outside the Branches.
 - 4.6 Provide avenues, for users outside of GSFC and for scientific collaborators of Branch members, to access programs and data located on Branch workstations and data storage systems. Develop and maintain section 508 compliant websites that will be used as follows: to provide information on how to obtain data sets of interest; to inform the general public and the scientific community about the activities of the Branches and the EOS program; and to provide education and outreach to the public.
 - 4.7 Provide programming, software upgrades, documentation, and design control of computer programs used to determine optimal aircraft flight paths for aircraft field campaigns associated with the research efforts of the Branches.
 - 4.8 Provide investigator coordination, mission document preparation, database design and maintenance, and meeting support for investigators associated with field campaigns and satellite missions related to research efforts of the Branches. Collect mission information from aircraft, satellite, or program scientists. Prepare and edit mission documents; coordinate the document reviews and revisions. Plan venues, schedules, and agendas of meetings for mission teams.
 - 4.9 Provide technical assistance to the ESDIS Project Scientist in determining EOSDIS requirements for ground support of flight operations, and in implementing that support.
 - 4.10 Support the development of the Global Precipitation Measurement mission from mission formulation, through ground validation, and into data applications.

5.0 Documentaton and Presentations

- 5.1 Document, catalog, and maintain libraries of the following items associated with this contract: descriptions of software developed, enhanced, or implemented; descriptions of hardware developed, modified, or operated, as well as operating manuals; manuals that describe safety procedures to be followed in the laboratories when operating equipment, when using and storing hazardous materials, and when responding to emergencies in the laboratories.
- 5.2 Draft reports on work performed, assist in the preparation of presentations and assist in drafting of articles for publication in refereed journals, assist in the presentation of research results at scientific meetings, and assist in critiquing the research of others working in related fields.

6.0 Administrative Support

- 6.1 Develop, maintain, and track database systems for all phases of administration including, but not limited to, property and chemical inventories, travel budgets, proposal charges, purchase orders, credit card purchases, property passes, proposal submissions, and reimbursable expenditures.
- 6.2 Assist in the preparation of the fiscal year budgets for review, gather information from funding sources, alert principal investigators to status of contracts and proposals, draft purchase requests, prepare shipping documents and arrange for pick-ups.
- 6.3 Prepare charts and viewgraphs for administrative reviews, provide administrative reports in accordance with contract requirements, and assist in the preparation of the fiscal year Branch budgets and their submittal to the Laboratory.
- 6.4 Review with the Branch Heads all administrative requirements for the fiscal year (including, but not limited to, personnel requirements, hardware and software purchases, and maintenance agreements).
- 6.5 Coordinate and provide logistics support for visitors from outside Goddard Space Flight Center.

LIST OF ACCRONYMS

AERONET	Aerosol Robotic Network
EOS	Earth Observing System
EOSDIS	Earth Observing System Data and Information System
ESDIS	Earth Science Data and Information System
GTE	Global Tropospheric Experiment
GEOS/GMAO	Goddard Earth Observing System/Global Modeling Assimilation Office
MODIS	Moderate Resolution Imaging Spectroradiometer
MPLNET	Micro Pulse Lidar Network
NCEP/NCAR	National Center for Environmental Prediction/National Center for Atmospheric Research
NCEP/CPC	National Center for Environmental Prediction/Climate Prediction Center
NCEP/MRF	National Center for Environmental Prediction/Medium Range Forecast
POAM	Polar Ozone and Aerosol Measurement
RCDF	Radiometric Calibration and Development Facility
RTOP	Research and Technical Operations Plan
SAGE	Stratospheric Aerosol and Gas Experiment
SHADOZ	Southern Hemisphere Additional Ozonosondes
SOLVE	SAGE III Ozone Loss and Validation Experiment
TIMED	Thermosphere Ionosphere Mesosphere Energy and Dynamics
TOMS	Total Ozone Mapping Spectrometer
TRMM	Tropical Rainfall Measuring Mission
UARP	Upper Atmosphere Research Program
UARS	Upper Atmosphere Research Satellite

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FINANCIAL MANAGEMENT REPORTING REQUIREMENTS

ATTACHMENT B

FINANCIAL MANAGEMENT REPORTING REQUIREMENTS

General

Financial Management Reports shall be submitted by the Contractor on the NASA 533 series reports, in accordance with the instructions on the reverse of the forms, NASA Procedures and Guidelines NPR 9501.2D entitled, "NASA Contractor Financial Management Reporting," effective date May 23, 2001, and additional instructions issued by the Contracting Officer.

a. Level of Detail

The Contractor's 533 reports shall contain a summary of total contract costs, as well as a separate 533 sheet for each Task Order. The reports shall contain a breakdown of each area by element of cost, i.e. direct labor hours/dollars (by category), overhead, general & administrative (G&A), travel, equipment, material, training and other direct costs.

b. Distribution

The Contractor shall distribute 533 reports to each addressee indicated in the Basic Contract Clause G.1 FINANCIAL MANAGEMENT REPORTING. These reports shall be distributed no later than the fifteenth (15) calendar day following the month being reported.

c. Reporting Requirements

Each report shall provide cost data for reporting categories presented below:

Direct Labor Hours

Onsite

(List applicable labor categories)

Offsite
(List applicable labor categories)

Direct Labor Dollars

Onsite
(List according to applicable labor categories)
Offsite
(List according to applicable labor categories)

Total Direct Labor Hours On-site
Total Direct Labor Hours Off-site
Total Prime's Hours
Subcontractor Hours
Total Labor Hours

Total Direct Labor Onsite
Total Direct Labor Offsite

Total Onsite Overhead
Total Offsite Overhead
Total Overhead Prime

Other Direct Costs

Material
Subcontractors
Travel
Training
Miscellaneous
Total ODC's

Subtotal (Direct Cost plus Overhead)

G&A Expense

Total Cost

Award Fee

Total Cost Plus Award Fee (CPAF)

The 533 for each task order shall report direct labor hours by category.

d. Other Special Reports

The Contractor shall submit, as required, special cost or manpower reports either in the areas of actuals, projections or both. These reports may take the form of labor, overhead, other direct charges, billing analyses or other business information. When required, specific instructions will be provided by the Contracting Officer.

NNG06HX18C

**LABORATORY FOR ATMOSPHERES SCIENTIFIC AND
TECHNICAL SUPPORT SERVICES**

SAFETY AND HEALTH PLAN

ATTACHMENT C

Note: Safety and Health Plan to be submitted 10 days after effective date of contract, and will be incorporated in the contract after it has been reviewed and approved by the Government.

NNG06HX18C

**LABORATORY FOR ATMOSPHERES SCIENTIFIC AND
TECHNICAL SUPPORT SERVICES**

CONTRACTOR'S SURVEILLANCE PLAN

ATTACHMENT D

OCTOBER 2005

APPENDIX C: SURVEILLANCE PLAN

Features	Benefits
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Deliverables:







NNG06HX18C

**INSTALLATION-ACCOUNTABLE GOVERNMENT
PROPERTY**

ATTACHMENT E

MARCH 2005

List of Installation-Accountable
On-Site
Government Property

The Contractor will be provided office space, desks, use of government telephones, and office materials at the Goddard Space Flight Center for on-site contract performance.

Attached is an itemized list of the Installation-Accountable Government Property.

The individual task orders will specify the available office space by building(s) and room number(s).

NASA #	Description
1645392	Computer, Laptop
1333024	Transport, Magnetic Tape
1643549	Computer, Micro
1096088	Transport, Magnetic Tape
1107177	Display Unit
1182673	Transport, Magnetic Tape
1182674	Transport, Magnetic Tape
1337433	Disk Drive Unit
1342282	Computer, Micro
1414953	Disk Drive Unit
1415723	Camera Set, Still Picture
1417079	Disk Drive Unit
1417080	Disk Drive Unit
1421669	Ethernet Hub
1498517	Computer, Micro
1498518	Disk Drive Unit
1519280	Computer, Micro
1519282	Disk Drive Unit
1519749	Disk Drive Unit
1520122	Disk Drive Unit
1521900	Disk Drive Unit
1531411	Disk Drive Unit
1532668	Display Unit
1532876	Transport, Magnetic Tape
1608511	Disk Drive Unit
1626078	Disk Drive Unit

NASA #	Description
1643480	Computer, Micro
1644737	Server (Hector)
1644838	Computer, Laptop
1645383	Laptop
1665383	Computer, Micro
1737557	Disk Drive Unit
1750680	2000 Monitor
1751941	Computer, Mainframe
1752735	Transport, Magnetic Tape
1753220	Disk Drive Unit
1753380	Transport, Magnetic Tape
1753837	Display Unit
1811570	Computer, Micro
1811588	Camera System, Digital
1811682	Computer
1814067	Server
1814068	Server
1816411	Disk Drive Unit
1817195	Disk Drive Unit
1817196	Disk Drive Unit
1817197	Disk Drive Unit
1817198	Disk Drive Unit
1817372	Display Unit
1817378	Disk Drive Unit
1817381	Disk Drive Unit

NASA #	Description
1817382	Disk Drive Unit
1817383	Disk Drive Unit
1817384	Disk Drive Unit
1817385	Disk Drive Unit
1817386	Disk Drive Unit
1817389	Disk Drive Unit
1817750	Computer, Micro
1817831	Computer, Micro
1817883	Disk Drive Unit
1817884	Disk Drive Unit
1817885	Disk Drive Unit
1817886	Disk Drive Unit
1817887	Disk Drive Unit
1817888	Disk Drive Unit
1817889	Disk Drive Unit
1817890	Disk Drive Unit
1818660	Display Unit
1818663	Display
1819871	Computer, Micro
1819872	Computer, Micro
1819873	Computer, Micro
1819874	Computer, Micro
1819875	Chassis, Electrical-Electronic
1819900	Computer, Micro
1820466	Computer, Micro

NASA #	Description
1820467	Display Unit
1820469	Disk Drive Unit
1820862	Disk Drive Unit
1821513	Computer, micro
1823130	Computer, Micro
1823313	Computer, Micro
1823438	Display Unit
1943144	Mag. Tape transport
1943632	Display Unit
1946130	Display Unit
1946147	Computer, Micro
1949954	Computer, Micro
1950892	Display Unit
1952895	Disk Drive Unit
1953121	Disk Drive Unit
1954309	computer, micro
1954312	computer, micro
1954355	Disk drive
1954774	Display Unit
1956070	Computer, Micro
1956791	Laser Printer
1957769	Computer, Micro
1957864	computer, micro
2030894	Computer, Micro
2031432	Display Unit
2031592	Computer, Micro

NASA #	Description
2031722	Computer, Micro
2032779	Display
2032940	Computer
2032943	Display
2032944	Display
2033200	Computer, micro
2033224	Computer, micro
2033934	Disk Drive Unit
2033935	Disk Drive Unit
2033936	Disk Drive Unit
2033937	Power Supply
2033939	Rack, Electrical Equipment
2034451	Computer, micro
2034505	Computer, micro G3
2034878	Display
2035740	Disk Drive Unit
2035741	Disk Drive Unit
2035742	Disk Drive Unit
2037114	Rack, Electrical Equipment
2037115	Disk drive
2037116	Disk drive
2037117	Disk drive
2038078	Fax
2038990	Projector, Overhead
2039222	Display Unit

NASA #	Description
2040976	Computer, Micro
2041061	Power Supply
2041222	Disk Drive Unit
2042118	Computer
2042119	Computer
2042120	Computer
2042122	Disk drive
2042126	Trinitron Multiscan
2042129	DVD-Ram Drive
2042379	Disk drive
2042914	Computer, Micro
2043222	Disk Drive Unit
2044070	Computer
2044072	Computer (radar)
2044074	Display
2044075	Computer, micro
2044082	Disk Drive Unit
2044083	Disk Drive Unit
2045374	Projector
2103284	Computer
2107732	Computer (grey)
2108703	Display
2108757	Computer, Micro
2109672	Display Unit
2109673	Computer, Micro
2110237	Computer, Micro
2110522	Computer, Micro
2110523	Computer, Micro

NASA #	Description
2110526	Computer, Micro
2110527	Computer, Micro
2110528	Display Unit
2110530	Computer, Micro
2110534	Recorder Set, Sound
2110546	Disk Drive Unit
2110547	Disk Drive Unit
2110632	Computer, Micro
2110696	Computer, Micro
2110899	Computer, Micro
2111239	Display Unit
2111240	Computer, Micro
2111241	Printer, ADP, Laser
2111247	Computer, Micro
2111792	Transport, Magnetic Tape
2111833	Disk Drive Unit
2111834	Disk Drive Unit
2111835	Disk Drive Unit
2111836	Disk Drive Unit
2112702	Computer (TRMM-FC)
2112704	Computer
2113241	Computer, Micro
2113243	Computer, Micro
2113655	Display Unit
2113656	Display Unit
2113683	Computer, Micro

NASA #	Description
2114235	Disk Drive Unit
2114400	Printer, ADP, Laser
2114405	Computer, Micro
2114406	Computer, Micro
2114568	Display
2115015	Disk Drive Unit
2115029	Computer
2115218	Computer, micro/PB G4
2115456	Computer G4
2115514	Display Unit
2132859	Display Unit
2132972	Computer
2133234	Printer, ADP
2133329	Computer
2133374	Computer, Micro
2133384	Computer (fabricated)
2133385	Computer (fabricated)
2133398	Disk Drive Unit
2159030	Computer, Micro
2159267	Display
2159342	Printer network
2159372	Disk drive
2159373	Disk drive
2159374	Disk drive
2164493	Computer, Laptop

NASA #	Description
2164595	Display Unit
2501646	Computer, Micro
2502356	Display
2502400	Laptop
3010359	Computer
3010926	Computer
3010931	Display
3011346	Computer, micro
3011661	Display Unit
3011673	
3012012	Computer, Micro
3012346	Disk Array
3012521	Computer
3012522	Display
3012572	Computer, Micro
3012576	Computer, Micro
3012941	Computer G4
3013100	Printer network
3013166	Intell Xeon Computer
3013581	Display
3014708	Computer, micro
3014733	Computer, Micro
3015372	Printer
3015571	Disk Tower 8 Bay
3015738	Computer, Micro

NASA #	Description
3034429	Computer G5 (backup)
3034458	Planar Display
3034543	Computer, Micro
3034698	Computer, Micro
3034728	Computer, tower
3034878	Display
3034893	Computer, Micro
3034932	Computer G5
3035906	Computer, Micro
3035907	Computer, Micro
3036009	Disk Drive Unit
3036074	Computer, Micro
3036290	Computer, Micro
3036291	Display Unit
3039622	Computer, Laptop
3066556	Computer, Laptop
3067724	Computer, Micro
3068251	Disk Drive
3068252	Disk Drive
3068667	Computer, Micro
3068668	Computer, Micro
3068693	Computer, Micro
0711042	Terminal, Data Processing
3015907	Display Unit
0092900	DISPLAY UNIT

NASA #	Description
1101305	TRANSPORT, MAGNETIC TAPE
1183033	COMPUTER, MICRO
1183039	PRINTER, ADP, LASER
1183045	ROUTER
1183048	PRINTER, ADP
1184190	DISK DRIVE UNIT
1189722	DISK DRIVE UNIT
1191255	DISK DRIVE UNIT
1335029	DISK DRIVE UNIT
1335031	DISK DRIVE UNIT
1337588	DISK DRIVE UNIT
1337648	DISK DRIVE UNIT
1338525	TRANSPORT, MAGNETIC TAPE
1340045	PRINTER, ADP, LASER
1340181	DISPLAY UNIT
1340186	PRINTER, ADP, LASER
1340210	TERMINAL, DATA PROCESSING
1410733	DISK DRIVE UNIT
1411215	DISPLAY UNIT
1411772	DISK DRIVE UNIT
1415218	DISK DRIVE UNIT
1415912	DISK DRIVE UNIT
1416304	DISK DRIVE UNIT
1416305	DISK DRIVE UNIT

NASA #	Description
1418742	COMPUTER, MICRO
1418798	TRANSPORT, MAGNETIC TAPE
1421842	DISK DRIVE UNIT
1498543	DISPLAY UNIT
1498544	COMPUTER, MICRO
1498773	COMPUTER, MICRO
1518781	DISK DRIVE UNIT
1519980	COMPUTER, MICRO
1519981	DISPLAY UNIT
1520346	DISK DRIVE UNIT
1520347	DISK DRIVE UNIT
1520348	DISK DRIVE UNIT
1521929	DISK DRIVE UNIT
1522226	DISK DRIVE UNIT
1523609	TERMINAL, DATA PROCESSING
1529204	DISK DRIVE UNIT
1529205	DISK DRIVE UNIT
1531808	DISK DRIVE UNIT
1626105	RADIOMETER
1626106	RADIOMETER
1626108	RADIOMETER
1626686	DISK DRIVE UNIT
1626687	DISK DRIVE UNIT
1626734	DISK DRIVE UNIT
1643690	DISK DRIVE SUBSYSTEM

NASA #	Description
1643691	DISK DRIVE SUBSYSTEM
1644734	DISK DRIVE UNIT
1644735	DISK DRIVE UNIT
1645308	CAMERA, DIGITAL
1672230	DISPLAY UNIT
1701287	DISK DRIVE UNIT
1701976	COMPUTER, MICRO
1701977	DISK DRIVE, OPTICAL
1701978	DISPLAY UNIT
1737812	PRINTER, ADP, LASER
1737876	DISK DRIVE UNIT
1750833	DISK DRIVE, OPTICAL
1750834	COMPUTER, MICRO
1750835	DISPLAY UNIT
1753290	DISK DRIVE UNIT
1753760	DISK DRIVE UNIT
1753761	DISK DRIVE UNIT
1753762	DISK DRIVE UNIT
1753763	DISK DRIVE UNIT
1753764	DISK DRIVE UNIT
1753765	DISK DRIVE UNIT
1753766	DISK DRIVE UNIT
1753767	DISK DRIVE UNIT
1753768	DISK DRIVE UNIT
1753769	DISK DRIVE UNIT

NASA #	Description
1753818	DISK DRIVE UNIT
1753819	DISK DRIVE UNIT
1753820	DISK DRIVE UNIT
1755124	DISK DRIVE UNIT
1755243	COMPUTER, MICRO
1755909	DISK DRIVE UNIT
1756506	DISK DRIVE UNIT
1756799	DISK DRIVE UNIT
1811905	DISK DRIVE UNIT
1811906	DISK DRIVE UNIT
1813829	DISPLAY UNIT
1814077	DISK DRIVE UNIT
1814125	DISK DRIVE UNIT
1814766	PRINTER, ADP, LASER
1816491	DISK DRIVE UNIT
1816493	DISK DRIVE UNIT
1818067	DISK DRIVE UNIT
1818686	COMPUTER, MICRO
1818687	DISPLAY UNIT
1818688	DISK DRIVE UNIT
1818766	COMPUTER, MICRO
1818784	COMPUTER, MICRO
1818787	DISK DRIVE UNIT
1818788	DISK DRIVE UNIT
1818815	COMPUTER, MICRO

NASA #	Description
1819412	DISK DRIVE UNIT
1819413	DISK DRIVE UNIT
1819418	COMPUTER, MICRO
1819538	COMPUTER, MICRO
1819540	DISK DRIVE UNIT
1819541	COMPUTER, MICRO
1819644	COMPUTER, MICRO
1819645	COMPUTER, MICRO
1819774	COMPUTER, MICRO
1819775	DISPLAY UNIT
1819776	DISK DRIVE UNIT
1820042	DISK DRIVE UNIT
1820043	DISK DRIVE UNIT
1820045	DISK DRIVE UNIT
1820046	DISK DRIVE UNIT
1820047	DISK DRIVE UNIT
1820048	DISK DRIVE UNIT
1821085	COMPUTER, MICRO
1821086	COMPUTER, MICRO
1821087	COMPUTER, LAPTOP
1821317	COMPUTER, MICRO
1821325	TRANSPORT, MAGNETIC TAPE
1822431	COMPUTER, MICRO
1822437	COMPUTER, MICRO
1822438	COMPUTER, MICRO

NASA #	Description
1822439	DISPLAY UNIT
1823558	COMPUTER, MICRO
1824011	DISPLAY UNIT
1824021	DISPLAY UNIT
1943090	DISPLAY UNIT
1943091	COMPUTER, MICRO
1944766	COMPUTER, MICRO
1944767	COMPUTER, MICRO
1945827	COMPUTER, MICRO
1948473	COMPUTER, MICRO
1948497	COMPUTER, MICRO
1948979	DISK DRIVE UNIT
1948980	DISK DRIVE UNIT
1948981	DISK DRIVE UNIT
1948982	DISK DRIVE UNIT
1949017	CHASSIS, ELECTRICAL- ELECTRONI
1949997	DISPLAY UNIT
1952984	TRANSPORT, MAGNETIC TAPE
1953195	COMPUTER, MICRO
1953196	DISPLAY UNIT
1955531	DISPLAY UNIT
1955532	COMPUTER, MICRO
1955642	COMPUTER, MICRO
1956424	DISPLAY UNIT
1956668	PHOTOMETER

NASA #	Description
1956773	DISK DRIVE UNIT
1956774	DISK DRIVE UNIT
1956775	DISK DRIVE UNIT
1956935	COMPUTER, MICRO
1957739	COMPUTER, MICRO
2030884	COMPUTER, MICRO
2030912	DISK DRIVE UNIT
2031776	COMPUTER, MICRO
2031777	COMPUTER, MICRO
2031778	DISPLAY UNIT
2031805	COMPUTER, MICRO
2033713	COMPUTER, MICRO
2033714	DISPLAY UNIT
2033932	COMPUTER, MICRO
2034026	CHASSIS, ELECTRICAL,ELECTRONIC
2034059	DISPLAY UNIT
2034343	COMPUTER, LAPTOP
2035072	COMPUTER, MICRO
2035074	COMPUTER, MICRO
2035076	DISPLAY UNIT
2035774	COMPUTER, MICRO
2036112	CHASSIS, ELECTRICAL-ELECTRONIC
2036113	DISK DRIVE UNIT
2036607	DISK DRIVE UNIT
2036608	DISK DRIVE UNIT

NASA #	Description
2036717	COMPUTER, MICRO
2037672	COMPUTER, MICRO
2037678	COMPUTER, LAPTOP
2038466	DISK DRIVE UNIT
2039045	COMPUTER, LAPTOP
2041014	DISK DRIVE UNIT
2041219	COMPUTER, LAPTOP
2043141	COMPUTER, MICRO
2043327	COMPUTER, MICRO
2043328	DISPLAY UNIT
2043329	DISK DRIVE UNIT
2043726	COMPUTER, MICRO
2043727	CHASSIS
2043987	COMPUTER, MICRO
2044612	DYE LASER
2103350	COMPUTER, MICRO
2107752	COMPUTER, MICRO
2109242	COMPUTER, MICRO
2110429	PRINTER, ADP, LASER
2110488	DISK DRIVE UNIT
2110689	COMPUTER, LAPTOP
2110772	COMPUTER, MICRO
2111458	COMPUTER, MICRO
2111459	DISPLAY UNIT
2111493	COMPUTER, MICRO

NASA #	Description
2111754	COMPUTER, MICRO
2112625	DISPLAY UNIT
2112626	DISPLAY UNIT
2112637	DISK DRIVE UNIT
2112638	COMPUTER, MICRO
2112914	DISPLAY UNIT
2112930	DISPLAY UNIT
2113070	DISPLAY UNIT
2113133	DISPLAY UNIT
2113290	DISPLAY UNIT
2113291	COMPUTER, MICRO
2113679	JUKEBOX, TAPE
2113896	PRINTER, ADP, LASER
2114512	PRINTER, ADP, LASER
2115043	DISPLAY UNIT
2115106	COMPUTER, MICRO
2115442	COMPUTER, MICRO
2133266	DISPLAY UNIT
2133267	DISPLAY UNIT
2133319	COMPUTER, MICRO
2133393	COMPUTER, MICRO
2133508	COMPUTER, MICRO
2159393	DISPLAY UNIT
2159691	COMPUTER, LAPTOP

NASA #	Description
2159855	DISPLAY UNIT
2164103	DISK, ARRAY
2164173	DISK ARRAY
2164232	COMPUTER, LAPTOP
2164634	SERVER, AUTOMATIC PROCESSING U
2165384	DISPLAY UNIT
2165506	POWER SUPPLY
2502359	SERVER
3010089	TRANSPORT, MAGNETIC TAPE
3010187	DISPLAY UNIT
3010378	COMPUTER, MICRO
3010810	DISPLAY UNIT
3011060	COMPUTER, LAPTOP
3011430	COMPUTER, MICRO
3011541	COMPUTER, MICRO
3012043	COMPUTER, MICRO
3012044	DISPLAY UNIT
3012570	COMPUTER, LAPTOP
3013676	COMPUTER, MICRO
3014353	COMPUTER, LAPTOP
3014354	PRINTER, ADP, LASER
3014355	PRINTER, ADP, LASER
3014549	PRINTER, ADP, LASER
3014871	DISPLAY UNIT
3014872	TRANSPORT, MAGNETIC TAPE
3015515	COMPUTER, MICRO

NASA #	Description
3015816	DISPLAY UNIT
3034069	DISPLAY UNIT
3034070	DISPLAY UNIT
3034072	DISPLAY UNIT
3034160	DISPLAY UNIT
3034743	COMPUTER, MINI
3034752	COMPUTER, MICRO
3034962	COMPUTER, MICRO
3034963	DISPLAY UNIT
3036030	COMPUTER, LAPTOP
3036230	COMPUTER, MICRO
3036231	COMPUTER, MICRO
3036232	SERVER
3036249	SERVER
3036416	SERVER
3036470	COMPUTER, LAPTOP
3068692	TELESCOPE
G043030	TRANSPORT, MAGNETIC TAPE

ATTACHMENT F

**DIRECT LABOR RATES, INDIRECT RATES, AND
AWARD FEE MATRICES**

NNG06HX18C

January 2006

1. PRIME DIRECT LABOR RATE MATRIX (For All Task Orders):

The Contractor shall not exceed the rates as specified below for pricing all task orders contemplated or issued in accordance with Clause H.7, Task Ordering Procedure and Clause B.11, Supplemental Task Ordering Procedures. Any task orders issued in accordance with Clauses H.7 and B.11 will be applied to the guaranteed minimum quantity and maximum quantity as provided in Clause B.2.

**Labor Categories	*CY 1 ^HR Rate	CY 2 HR Rate	CY 3 HR Rate	CY 4 HR Rate	CY 5 HR Rate
--------------------	-------------------	-----------------	-----------------	-----------------	-----------------

****Labor Categories** - The Offeror shall provide direct labor categories, which apply to the representative task orders and the SOW.

***CY** = Contract Year

^HR = Hourly Rate: These are not-to-exceed rates for pricing prime contractor task orders. The Contractor may propose lower rates when pricing task orders.

2. PRIME INDIRECT COST RATE MATRIX (For All Task Orders):

The Contractor shall not exceed the bid rates as specified below for pricing all task orders contemplated or issued in accordance with Clause H.7, Task Ordering Procedure and Clause B.11, Supplemental Task Ordering Procedures (see Clause B.3, Limitation of Indirect Costs, for ceilings on reimbursement of indirect costs). Any task orders issued in accordance with Clauses H.7 and B.11 will be applied to the guaranteed minimum quantity and maximum quantity as provided in Clause B.2.

***Indirect Expenses	*CY 1	CY 2	CY 3	CY 4	CY 5
Onsite Overhead					
Offsite Overhead					
G&A					

***Indirect Expenses - The Offeror shall complete all indirect categories, which apply to the representative task orders and the SOW. Clearly delineate on-site and off-site rates.

*CY = Contract Year

3. PRIME AWARD FEE RATE MATRIX (For All Task Orders):

****Award Fee Rate	*CY 1	CY 2	CY 3	CY 4	CY 5

**** The Offeror shall complete the award fee rate, which shall be used to calculate the maximum available award fee for all task orders issued under the resultant contract.

*CY = Contract Year

4. SUBCONTRACTOR (Name-TBP) LOADED LABOR RATE MATRIX (For All Task Orders):

The Contractor shall not exceed the rates as specified below for pricing the subcontractor labor hours on all task orders contemplated or issued in accordance with Clause H.7, Task Ordering Procedure and Clause B.11, Supplemental Task Ordering Procedures. Any task orders issued in accordance with Clauses H.7 and B.11 will be applied to the guaranteed minimum quantity and maximum quantity as provided in Clause B.2.

++Labor Categories	*CY 1 ^HR Rate	CY 2 HR Rate	CY 3 HR Rate	CY 4 HR Rate	CY 5 HR Rate	CY 6 HR Rate
Not Applicable						

++Labor Categories - The Offeror shall provide loaded direct labor categories, which apply to the representative task orders and the SOW. Clearly delineate on-site and off-site rates.

*CY = Contract Year

^HR = Hourly Rate: These are not-to-exceed rates for pricing subcontractor labor hours. The Contractor may propose lower rates when pricing task orders.

5. POSITION DESCRIPTIONS-TBP (For offeror and subcontractor categories):

Position Descriptions are listed beginning page Attach. F-1